

Utah Department of Natural Resources



Before

ANNUAL REPORT 2019

After

2019 Directory of Services and
Annual Report for 2017-2018





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Division of Wildlife Resources

Utah Geological Survey

Cover photos: Southern Utah stream restoration project. Such projects are a part of the Watershed Restoration Initiative and designed to improve habitat and landscapes and increase water quality and yield.



NATURAL RESOURCES

DEPARTMENT UPDATE



Utah Department of Natural Resources



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Monday – Friday
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(closed on holidays)

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Executive Director's Commitment

As a farmer from Delta, Utah, I grew up in the dirt, with a shovel in hand and long hours in the sun. Our success and livelihood depended on hard work, dedication and responsible use of our resources. I still have stewardship over that farm, and I continue to take pride in watching it produce and thrive. My commitment to the family farm has helped me lay a foundation of responsible stewardship at DNR.

Utah continues to face unique natural resource challenges and opportunities. We face catastrophic wildfires; population growth and its impact to wildlife, forests and water resources; proactive management decisions regarding critical watersheds and the expanding growth of our world-class state parks and statewide recreational opportunities.

These and other challenges require our best efforts; best problem solving and best coordination. Through responsible stewardship we will work together, with our local, state and federal partners, to proactively manage Utah's abundant natural resources and problem solve solutions for today's most difficult challenges and tomorrow's most pressing needs. We will succeed because we understand our role as stewards.

A shining example of responsible stewardship is evident in the actions and leadership of former director of Utah Division of Parks and Recreation, Fred Hayes, who passed away last March. Fred was instrumental in increasing the profile of Utah's 44 state parks. As a result, the division has experienced record park attendance and profitability annually and has aggressively been developing and creating new recreational opportunities statewide.

Hayes' motto of "more people having more fun in more parks more often" was the driving force behind the division's success. His passion for his employees and the stewardship he felt toward outdoor recreation was easily recognized and rubbed off on those around him. Parks was and is better because Fred took his role and contribution seriously.

Like Fred, we at DNR take our roles and responsibilities seriously. We are passionately committed to working in step with our partners and elected leaders as stewards of Utah's beautiful resources.



Michael R. Styler
DNR Executive Director

Department Accomplishments

- ♦ The Division of Water Rights continues to improve its water adjudication efforts and timelines statewide. Adjudication of the Utah Lake/Jordan River area has been significantly decreased from an estimated 100 years to 10-12 years.
- ♦ More than 200 rehabilitation projects statewide were managed through the Watershed Restoration Initiative, improving over 159,000 acres. Projects improve health and biological diversity, water quality and yield and sustainable uses of natural resources in high priority and fire impacted watersheds throughout Utah.
- ♦ Utah's Open Water Data Portal was recently launched and allows Utah residents to access water use data in a variety of ways, including through interactive maps, charts and data download. This resource promotes accessibility and transparency.
- ♦ A third-party audit and review examined the state's municipal and industrial water use data from 2015. The process cultivated collaboration among multiple state agencies in ensuring water data is being reported correctly and timely.
- ♦ Success at listing prevention has been successful. "Not warranted" for ESA listing findings for Boreal Toad, White-tailed Prairie Dog and Byfid Duct Pyrg (a snail) were obtained. Efforts funded through the Endangered Species Mitigation Fund contributed to these actions taken by the US Fish and Wildlife Service.
- ♦ Outdoor recreation is thriving. Visitation at Utah State Parks is up about 15 percent. State Parks continues to improve infrastructure and recreational opportunities, like a new full-service campground at Dead Horse Point State Park; the addition of Echo State Park as Utah's 44th state park and dredging of Utah Lake and Great Salt Lake marinas.

Department Goals

- ♦ Enhance the customer experience. Positive relationships with DNR customers comes first.
- ♦ Improve cross-division collaboration. Committed toward increasing efficiency and maximizing resources.
- ♦ Increase value department wide. Maximize taxpayer resources and decrease general fund reliance.

DNR Annual Employee Award Winners

Executive Director's Award

Brian Head Suppression and Rehabilitation Team



The Brian Head Fire consumed over 70,000 acres and is considered Utah's fourth largest wildfire. Multiple DNR employees from the Division of Forestry, Fire and State Lands and the Division of Wildlife Resources worked tirelessly to protect, conserve and restore this area and its natural resources. They made it a priority to consider the interests of the local communities and stakeholders impacted by the fire. Each team member fulfilled their responsibility with excellence and professionalism.

Leadership Award

Chris Haller, Utah State Parks



As the OHV coordinator, Chris is the division's program ambassador. He values the needs of the program and is thorough in everything he does. Chris will always do the right thing, whether this means involving his personal values, or keeping things strictly business. Everything he does has been crafted over the years and is a balance he works on every day to perfect. He works tirelessly to support his team and has developed a culture of mutual respect and professionalism that allows others to flourish.

Employee of the Year

Richard Hansen, Division of Wildlife Resources



Richard has been instrumental in saving the State thousands of dollars each year. As a waterfowl biologist, his ingenuity has resulted in the rehabilitation of sections of the Weber River delta; removal of Phragmites throughout much of the area complex and restoration of vital waterfowl habitat. All of this has been done with strategic partnerships formed through the Dedicated Hunter Program and agricultural community.

Community Outreach

Matthew Coombs, Division of Forestry, Fire & State Lands

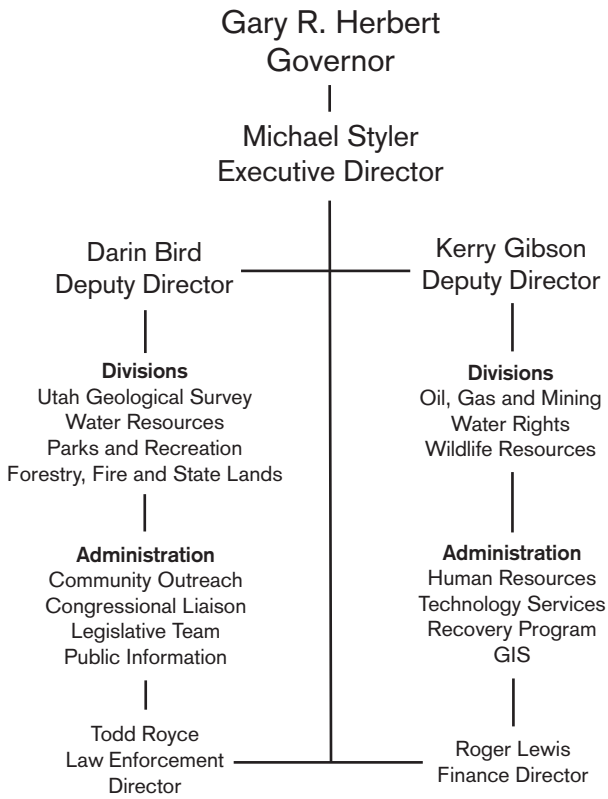
James Morgan, Utah State Parks



As sovereign lands coordinator for the Bear River area, Matthew excelled in addressing resource management concerns directly linked to the economic growth of the Bear Lake area. He alleviated safety concerns while enhancing recreational opportunities by implementing measures to mitigate the impact of motorized vehicle use on sensitive environmental resources. Matthew is skilled at establishing an overall approach for success while staying within the established framework of the Sovereign Lands Program.

As park manager at Willard Bay State Park, James has excelled at increasing the profile of the park and developing successful seasonal community events. Under his leadership, the park has successfully expanded its Fantasy at the Bay Christmas event; Eagle Beach Easter Egg Hunt, which attracts more than 300 children; and Fire on the Bay, held in conjunction with Willard City Founder Days. The scope of events and programs hosted by Willard Bay have created lasting ties with the community.

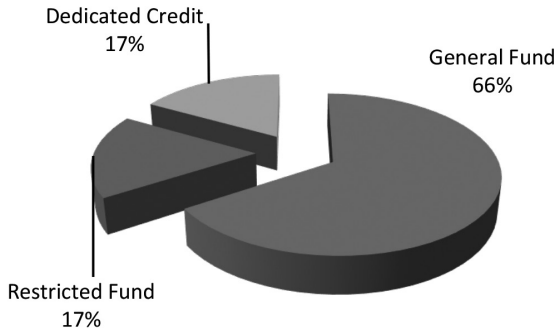
Organizational Chart



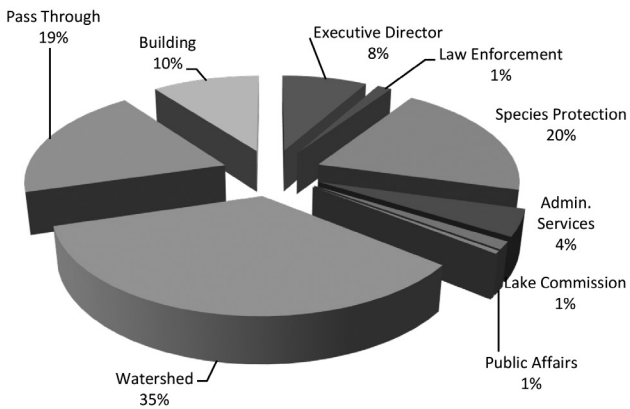
Financials

**Fiscal Year Ending
June 30, 2018**
(Unaudited)

**Revenue
\$17,479,900**



**Expenses
\$17,479,900**





NATURAL RESOURCES

DIVISION UPDATES



FORESTRY



OIL, GAS & MINING



STATE PARKS



WATER RESOURCES



WATER RIGHTS



WILDLIFE



GEOLOGICAL SURVEY



Utah Division of Forestry, Fire and State Lands (FFSL)

Mission Statement:

"The Division of Forestry, Fire and State Lands manages, sustains and strengthens Utah's forests, rangelands, sovereign lands and watersheds for its citizens and visitors."



Members of the Division's Lone Peak Hotshots constructing containment line on the Tank Hollow Fire.

Utah Division of Forestry, Fire and State Lands



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Director's Commitment

I'm very pleased to write this year's report on behalf of the dedicated employees of the Division of Forestry, Fire and State Lands. The Division has nearly 110 year-round, full-time employees, with more than twice that number when our seasonal firefighters are on staff, and all of them work diligently to manage, protect and ensure the sustainability of lands across Utah.

The Division's *Forestry Program* provides technical assistance to private forestland owners, communities, and other state and federal agencies. From Forest Stewardship, to Forest Health, to Urban & Community Forestry, to overseeing the implementation of the State's Forest Practices Act, our talented forestry staff is at the forefront of maintaining and restoring healthy forest ecosystems and urban forests throughout the state.

The *Wildland Fire Management Program* is responsible for wildfire protection on all state and private lands in cooperation with other fire management agencies and local fire departments. These strong relationships are key to our wildfire suppression success. We continue to emphasize fire prevention, preparedness and mitigation through the successful implementation of the Governor's *Catastrophic Wildfire Reduction Strategy*. And we're excited to be working with cities, counties and fire departments across the state to implement the Division's new Cooperative Fire System that was adopted by the Legislature in 2016 and enacted in 2017. Utah's progressive new fire policy allows us to better meet the three goals of resilient landscapes, fire-adapted communities, and improved wildfire response.

Our *Sovereign Lands Program* manages the State's submerged lands—the beds and shorelines of Bear Lake, Great Salt Lake, Utah Lake, Bear River, Jordan River, and portions of the Green and Colorado rivers—according to the Public Trust Doctrine and principles of multiple use and sustained yield. We work closely with local stakeholders on issues such as navigation, invasive species management, access and recreation, various commercial uses, and conservation on 1.5 million acres and 2,200 miles of shoreline.

The staff of the Division of Forestry, Fire and State Lands is extraordinary. Whether it be at the State Office in Salt Lake City, one of our six Area offices—Logan, Salt Lake, Heber, Moab, Richfield and Cedar City—or the Lone Peak Conservation Center, their commitment to sustainability and sound management is leading to healthier, more resilient lands for the citizens of and visitors to Utah.



Brian Cottam
Division Director / State Forester

Division Accomplishments

Forestry

- ◆ In response to the discovery in Utah of the destructive forest pest Balsam Woolly Adelgid (BWA), Forest Health staff joined with federal and state agency partners in 2018 to study the BWA's impacts and develop strategies to prevent its spread and inform the public. The Forest Health Program received federal funding to test several BWA treatments at Powder Mountain Ski Resort in northern Utah and determine the most effective ones.
- ◆ The Forest Stewardship Program assisted private forest landowners in completing 14 new forest stewardship plans in 2018—a record number. This increases our state total to 101 active forest stewardship plans covering 312,927 acres of private forestland. Providing technical forestry assistance to private forestland owners is a long-time cornerstone of the Division's cooperative forestry programs.
- ◆ The Division's Urban & Community Forestry (U&CF) Program awarded 20 grants to communities in 2018 for planting trees, training local volunteers, and maintaining urban tree cover—a record number of community grants. The U&CF staff also worked with local partners to increase the total number of Tree City USA recipients in the state to 90 communities—another record!
- ◆ Gerry Grey has been hired as FFSL's new permanent Forestry Program Administrator. Gerry comes to the Division after a distinguished career with American Forests, the nation's oldest forest conservation organization. Gerry brings a wealth of expertise in forest policy, organizational management and strategic planning, and has been at the forefront of the development of many of the cooperative forestry programs implemented by state forestry agencies in cooperation with U.S. Forest Service State & Private Forestry. We're thrilled to have Gerry in Utah and with FFSL!



Treatment of invasive Phragmites in progress on Great Salt Lake Sovereign Land.

Wildland Fire

- ♦ The Division's Cooperative Fire Management System with local government--often referred to as "fire policy"--is now in its second year of implementation. All 29 counties, 116 municipalities and 10 special service fire districts (representing 44 additional towns) have signed the Cooperative Agreement. These "participating entities" are now partners in one of the most progressive wildfire management systems in the country, focused on fire risk reduction through prevention, preparedness and mitigation at the local level.
- ♦ FFSL's new, state-of-the-art and fully automated fire business management system (FBS) is now operational. The on-line FBS streamlines the business of fire--including billing, reporting and reconciling of wildland fire costs--and greatly improves the accuracy and efficiency of increasingly complex wildfire accounting and reporting. FBS is now gaining the attention of states across the West, and the Division is in the process of licensing use of the software to these other states, including Colorado, Wyoming, Montana and Idaho. As FBS gains recognition and greater use by western states, it will likely become the west-wide standard for how fire business is conducted.
- ♦ Utah's 2017 wildfire season will undoubtedly be remembered for the catastrophic Brian Head Fire in southwest Utah. As the fourth largest wildfire by acreage as well as the most expensive State-managed fire in the history, the human-caused Brian Head Fire goes into the record books for all the wrong reasons. The 2017 fire season was



Children learning about wildfire at a fire prevention event hosted by Cedar City Fire Department as part of their Participation in the Division's Cooperative Wildfire Management System.

also remarkable for another, even more-troubling, trend: The number and scope of human-caused wildfires, particularly on state and private lands, the lands for which the Division has fire management responsibility. In 2017, 80% of Utah's state and local fires were human-caused (compared to only 38% on federal land!). And, statewide, the vast majority of acres burned and dollars spent on suppression were a result of human-caused fires. In response, the Division has prioritized wildfire risk reduction and is continuously increasing its prevention, preparedness and mitigation efforts in partnership with homeowners, landowners, communities, fire departments and other fire management agencies across the state. The 2017 fire season only strengthens our commitment to public outreach and education regarding the prevention of human-caused wildfires and reducing the resulting, and entirely unnecessary, impacts and costs.

Sovereign Lands

- ♦ The first-ever comprehensive management plan (CMP) for the Bear River was completed by the Sovereign Lands Program in October 2017. The first-ever Green and Colorado Rivers CMP and updated Mineral Leasing Plan is in the process of being drafted with a final record of decision likely in mid-2019. All sovereign lands will then have a CMP at the completion of the Green and Colorado River plan. This will be a significant milestone for the Division, ensuring consistent and transparent management of these lands for the Public Trust.
- ♦ The Division treated more than 4,000 acres of invasive species, including Phragmites, Tamarisk and Russian olive, on sovereign lands across the state. In the coming year, the Division plans to aerial spray 2,300 acres and ground spray more than 2,000 acres of Phragmites and other invasive species. Our invasive species treatment efforts continue to increase every year and the positive difference can be seen on the ground.
- ♦ In November 2017, the Division received a nomination for an exchange of sovereign lands at Utah Lake. As required by Administrative Rules for Land Exchanges, the Division solicited for exchange proposals and received one from Lake Restoration Solutions, Inc., the same entity that made the original nomination. The Division has accepted the application and is moving forward with evaluating the proposal following the Administrative Rules for Sovereign Land Management Planning. Sovereign lands staff is also working with affected Federal agencies as they begin their respective NEPA planning process(es) in regards to the Lake Restoration Solutions proposal.

Forecast

Major policy and management issues for the Division in the coming year include:

- ♦ Watershed protection and forest health.
- ♦ Increased management and control of invasive species and noxious weeds (e.g., phragmites).
- ♦ Impacts and improvements to Utah's urban and community trees and forests.
- ♦ Development in the wildland/urban interface and reducing associated wildfire risk.
- ♦ Forecasts for larger and more intense wildfires with unprecedented, erratic fire behavior.
- ♦ Paying for proactive wildfire risk reduction work, wildfire suppression, and post-fire rehabilitation costs.
- ♦ Ongoing implementation of the State's new Cooperative Wildfire System with local government and fire departments.
- ♦ Utilization of woody biomass to offset the cost of fuels reduction and wildfire mitigation work.
- ♦ Increasing complexity and demands of sovereign lands management.
- ♦ Decreasing water levels at Great Salt Lake and Utah Lake and resulting public impacts.
- ♦ Increasing litigation, such as the Weber and Provo rivers lawsuits.
- ♦ Administering and undertaking the planning for the Utah Lake Restoration Project proposal according to State statute and the Division's Administrative Rules governing sovereign lands management and planning.

As a Division, we look forward to working on and finding solutions to these challenges for the benefit of all Utahns.

Key Services

Forestry

Manage the State's cooperative forestry programs, including Forest Stewardship, Forest Health, Forest Legacy, and Urban & Community Forestry. Administer the State's Forest Practices Act, including forest practices notifications and operator registry, and implement Utah's Forest Action Plan.

Wildland Fire

Responsible for wildfire management and suppression on Utah's state and private lands in partnership with county and municipal government. Along with suppression, wildfire risk reduction through prevention, preparedness and mitigation efforts at the local level is emphasized, including wildfire suppression training, volunteer fire department grants, community wildfire preparedness planning, and coordination of the Governor's Catastrophic Wildfire Reduction Strategy and National Cohesive Wildfire Management Strategy.

Lone Peak Conservation Center (LPCC)

Provides the State's wildland fire resources, including highly trained crews to both fight wildfires as well as undertake natural resource projects, such as fuels reduction. LPCC is proudly the home of both the Lone Peak and Alta Hot-shot crews, making Utah one of only two states that hosts these highly-trained and specialized wildfire suppression resources.

Sovereign Lands

Administers public, private and commercial uses of State-owned lakebed and riverbed lands in accordance with the public trust doctrine and principles of multiple use and sustained yield. State sovereign lands include the beds and shorelines of Bear Lake, Great Salt Lake, Utah Lake, Jordan River and portions of the Green and Colorado rivers.

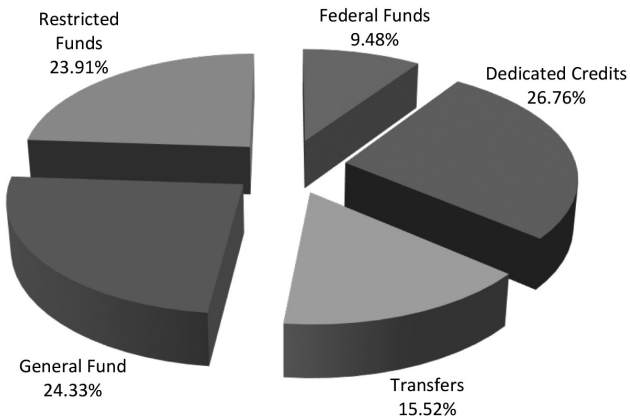


A couple enjoying the benefits of a restoration project done along the Ogden River.

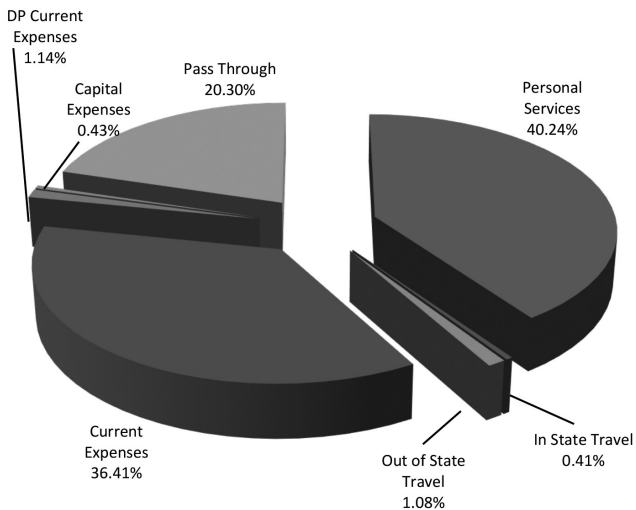
Financials

**Fiscal Year Ending
June 30, 2018**
(Unaudited)

Revenue
\$36,635,000



Expenditures
\$36,635,000



Utah Division of Oil, Gas and Mining (DOGM)

Mission Statement:

"The Division of Oil, Gas and Mining regulates and ensures industry compliance and site restoration while facilitating oil, gas and mining activities."



A contractor installs a rebar grate to secure an abandoned mine in Juab County.

Utah Division of Oil, Gas and Mining



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Mining Permits

ogm.utah.gov/coal/permitting.html

Oil Drilling Permits

oilgas.ogm.utah.gov/oilgasweb/quick-refs/q-refs-permits.xhtml

Facebook

facebook.com/utahoilgasandmining

Twitter

@UtahOGM



Workers on an oil rig in Summit County.

Director's Commitment

Utah's natural resources of crude oil, natural gas, coal, metals, and other mineral commodities are valuable to the citizens of the state. Either by direct ownership or as a result of the processing and sales of commodities, these products improve the quality of life of Utahns.

Since the 1950s, the Division of Oil, Gas and Mining (DOGM) has performed its stewardship responsibilities of ensuring that waste is prevented, recovery of underground resources occurs responsibly, and Utah residents receive the greatest possible good from these vital natural resources.

In recent years, technology has advanced, and much of the work of the Division incorporates these advancements. Regulatory processes are now performed via multiple electronic means including computerized databases, mobile devices for site monitoring, geographic information systems, unmanned aerial systems (drones), and live streaming conferences and meetings. All of these advancements have extended the reach of Division personnel to accomplish more without large increases in staffing or budget, allowing for efficient expenditure of public funding.

In many countries throughout the world, petroleum and mineral resources are owned and developed by the national government. In the United States, underground resources are discovered, developed, and marketed by private sector businesses. Competition among private companies can be fierce, but leads to the most efficient development of commodities reaching the consumer at the lowest cost.

In order to establish systematic development and ensure companies compete fairly in an open market, state regulatory agencies such as DOGM exist to encourage responsible resource development, protect public safety and health, and ensure land is restored to a usable condition after development. Proactively managing our natural resources is at the core of proper and effective stewardship.



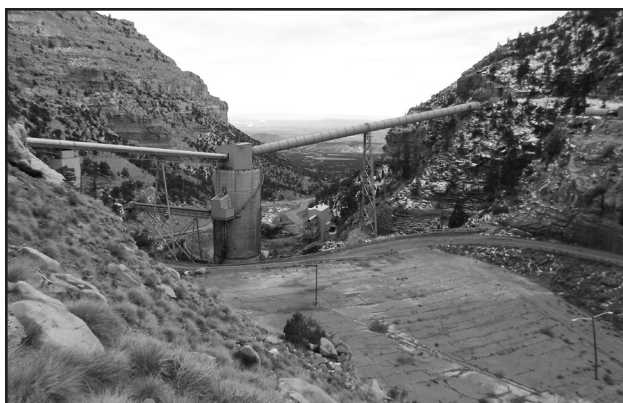
John R. Baza
Director

Division Accomplishments

Coal

The Coal Program worked closely with PacifiCorp and the Office of Surface Mining Reclamation and Enforcement (OSMRE) to approve an innovative reclamation technique called pocking at the Cottonwood/Wilberg Mine in Emery County. Pocking is a relatively new hillslope stabilization technique used as an erosion control measure that consists of gouging the final hillslope grade with irregularly-oriented depressions of 18 – 24 inches.

Traditionally, one large sedimentation pond is required to remain in place at a reclamation site for at least two years after regrading and seeding to capture run-off. This pocking method replaces the large pond with multiple smaller catchment basins encouraging water retention and revegetation of the disturbed area.



Before and after reclamation at the Cottonwood/Wilberg Coal Mine.

PacifiCorp and Division staff convinced OSMRE to allow removal of the pond at Cottonwood/Wilberg and use the pocking method instead. The Division received funds from a Utah State University (USU) grant to monitor mine reclamation success using drones. The Division is funding a USU graduate student for two years to conduct scientific research on the pocking at Cottonwood/Wilberg to provide a quantitative tool

to efficiently and economically evaluate the success of land reclamation activities, specifically the effectiveness of pocking as an erosion control measure.

Oil and Gas

Oil and gas exploration and production waste disposal facilities in Utah were required by state rule to post full cost bonds for their operations by July 1, 2018. Operators who did not post full cost bonds will have their permits revoked until bond requirements are met.

Currently there are 30 permitted facilities in Utah- one in Sevier, two in San Juan, two in Grand and the remainder in Uintah and Duchesne counties.

Adequate bonding protects the Division of Oil, Gas and Mining and the state of Utah against expensive reclamation costs requiring state funds. Requiring full cost bonds ensures each step of remediation is covered including waste and equipment management, re-contouring sites, and reseeding.



Evaporative ponds are filled with produced water and then use evaporation to vaporize the water.

Abandoned Mine Reclamation

The Abandoned Mine Reclamation Program (AMRP) closed 69 mine openings on private land in the Diamond Gulch West area located approximately five miles south of Eureka in Juab County. This area was once one of the top mineral producing areas in Utah, especially for silver and gold.

The Dutch Mountain project in Tooele County closed 100 mine openings on public land. A total of 118 openings are scheduled to close, however, due to high fire danger, the project was temporarily shut down. Construction will resume when conditions allow.

This area was a center of gold and silver mining dating back to the 1860s and peaking around the turn of the 20th century. There were small booms of arsenic production during both World War I and II along with lead, copper and tungsten.

The (AMRP) estimates there are 20,000 abandoned mine openings across the state. Since the program began in 1983, approximately 6,000 of those have been closed.

Minerals

The Minerals Program reviewed and issued tentative approval for expansion of the Benjamin gravel quarry on West Mountain near the town of Benjamin in Utah County. This project has yet to be approved, but the Division has fielded numerous comments from the public concerning air quality, cultural resources, water use, traffic, and other issues. A public hearing was held in December, and a final approval decision is pending further review by the Bureau of Land Management.

The Hidden Treasure Mine operated by Tamra Mining Company is a copper mine in Beaver County. During a site inspection, water quality samples showed an extremely high level of acidity in the tailings pond. Staff worked with the operator and Utah Division of Water Quality to neutralize the pH level by adding lime products to the acid solution prior to discharge into the tailings pond.



Forecast

Funding continues to be an issue due to fluctuating oil prices. While prices are higher than they have been the past two years, production levels remain constant. Division staff needs to work with industry managers to develop a consistent form of funding that would allow the Division to be more self-sufficient while encouraging operators to continue doing business in Utah.

The Oil and Gas Program is currently funded by monies generated from a conservation tax on oil, which is two-tenths of one percent (.002). Due to the volatility of oil prices, each year brings concerns about how to continue providing necessary services while having the appropriate budget and staff.

Key Services

Oil and Gas

Permits, inspects and monitors oil and gas wells statewide. Staff maintains a database of information regarding ownership, production, disposition and status of oil and gas exploration, production wells and facilities.

Coal and Mineral Permitting

Issues permits to and monitors coal and mineral mining operations to ensure compliance with federal laws and regulations.

Abandoned Mine Reclamation

Identifies abandoned mines and permanently seals off access to reduce accidents and hidden hazards. Division staff also provides outreach programs to schools and communities educating the public about the dangers of abandoned mines.

Utah Board of Oil, Gas and Mining



L to R: Ruland J. Gill, Gordon L. Moon, Carl R. Kendell, Susan S. Davis, Board Attorney Mike Begley, Chris D. Hansen, Michael R. Brown, Richard K. Borden. (Not pictured Board Secretary Julie Ann Carter)

Ruland J. Gill, Jr., Chair

Oil and Gas, Bountiful

Richard K. Borden

Mining, Salt Lake City

Carl R. Kendell

Geology, Salt Lake City

Chris D. Hansen

Mining, Highland

Susan S. Davis

Oil and Gas, Bountiful

Michael R. Brown

Environmental, Kaysville

Gordon L. Moon

Royalty Interests, Duchesne

Mike Begley

Board Attorney

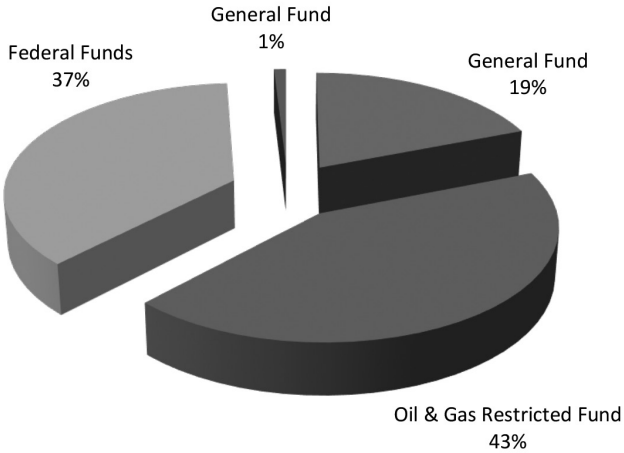
Julie Ann Carter, Board Secretary

801-538-5277

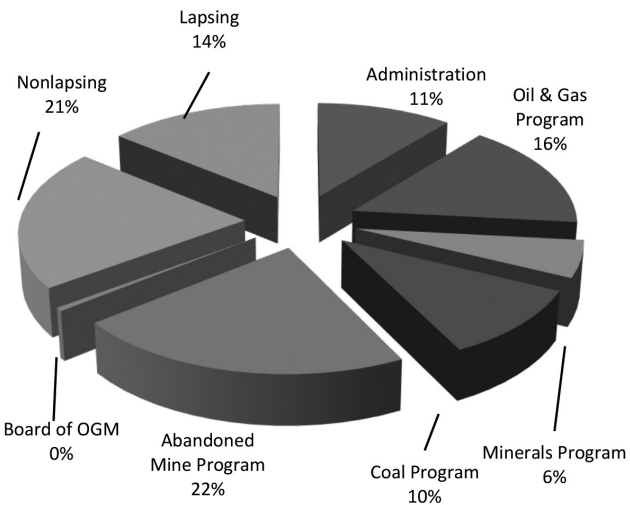
Financials

**Fiscal Year Ending
June 30, 2018**
(Unaudited)

**Revenue
\$15,721,789**



**Expenditures
\$15,721,789**





Utah Division of Parks and Recreation (UPR)

Mission Statement:

"The Division of Parks and Recreation preserves and provides natural, cultural, and recreational resources for the enjoyment, education and inspiration of this and future generations."



Military in state parks campaign.

Utah Division of Parks and Recreation



1594 West North Temple, Suite 116
PO Box 146001
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801-538-7220
801-538-7378 (fax)
stateparks.utah.gov

Executive Team



L to R: Eugene Swalberg, Eric Stucki, Wendy Wack, Scott Strong, Jeff Rasmussen, Dave Harris

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Dave Harris — Deputy Director

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Scott Strong — Deputy Director

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Eugene Swalberg — Communication/Marketing

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Wendy Wack — Administrative Assistant

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Eric Stucki — Legislative Liaison

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Regional Offices

North Region

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Southeast Region

Megan Blackwelder, Region Manager
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Southwest Region

Wayne Monroe, Region Manager
646 North Main Street
Cedar City, UT 84721
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State Parks and Museums

Anasazi State Park Museum

Mike Nelson, Park Manager
435-335-7308

Antelope Island State Park

Jeremy Shaw, Park Manager
801-773-2941

Bear Lake State Park

Richard Droesbeke, Park Manager
435-946-3343

Camp Floyd/Stagecoach Inn State Park and Museum

Clay Shelley, Park Manager
801-768-8932

Coral Pink Sand Dunes State Park

Michael Franklin, Park Manager
435-648-2800

Dead Horse Point State Park

Dillon Hoyt, Park Manager
435-259-2614

Deer Creek State Park

Steve Bullock, Park Manager
435-654-0171

East Canyon State Park

Chris Haramoto, Park Manager
801-829-6866

Echo State Park

Eric Bradshaw, Park Manager
435-339-2241

Edge of the Cedars State Park Museum

Chris Hanson, Park Manager
435-678-2238

Escalante Petrified Forest State Park

Kendall Farnsworth, Park Manager
435-826-4466

Flight Park State Recreation Area

Drew Patterson, Park Manager
801-533-5127

Fred Hayes State Park at Starvation

Alan Spencer, Park Manager
435-738-2326

Fremont Indian State Park and Museum

Kevin Taylor, Park Manager
435-527-4631

Frontier Homestead State Park Museum

Todd Prince, Park Manager
435-586-9290

Goblin Valley State Park

Aaron Farmer, Park Manager
435-275-4584

Goosenecks State Park

Chris Hanson, Park Manager
435-678-2238

Great Salt Lake State Park Marina

David Shearer, Harbor Master
801-250-1898

Green River State Park

Aaron Farmer, Park Manager
435-564-3633

Gunlock State Park

Jon Allred, Park Manager
435-680-0715

Historic Union Pacific Rail Trail State Park

Eric Bradshaw, Park Manager
435-649-6839

Huntington State Park

Jonathan Hunt, Park Manager
435-687-2491

Hyrum State Park

Chris Bradshaw, Park Manager
435-245-6866

Jordan River OHV State Recreation Area

Nick Ware, Buildings and Grounds Supervisor
801-533-5425

Jordanelle State Park

Vacant, Park Manager
435-649-9540

Kodachrome Basin State Park

Jon Wikan, Park Manager
435-679-8562

Millsite State Park

Jonathan Hunt, Park Manager
435-384-2552

Otter Creek State Park

Lance Eliason, Park Manager
435-624-3268

Palisade State Park

Shon Tripp, Park Manager
435-835-6676

Piute State Park

Lance Eliason, Park Manager
435-624-3268

Quail Creek State Park

Laura Melling, Park Manager
435-879-2378

Red Fleet State Park

Josh Hansen, Park Manager
435-789-4432

Rockport State Park

Eric Bradshaw, Park Manager
435-336-2241

Sand Hollow State Park

Laura Melling, Park Manager
435-680-0715

Scofield State Park

Jonathan Hunt, Park Manager
435-448-9449

Snow Canyon State Park

Kristen Comella, Park Manager
435-628-2255

Steinaker State Park

Josh Hansen, Park Manager
435-789-4432

Territorial Statehouse State Park Museum

Carl Camp, Park Manager
435-743-5316

This Is The Place Heritage Park

Private Foundation Director
801-582-1847

**Utah Field House of Natural History
State Park Museum**

Steve Sroka, Park Manager
435-789-3799

Utah Lake State Park

Josh Holt, Park Manager
801-375-0731

Wasatch Mountain State Park

Tracy See, Park Manager
435-654-1791

Willard Bay State Park

James Morgan, Park Manager
435-734-9494

Yuba State Park

Cheston Slater, Park Manager
435-758-2611

Online Resources**Website**

stateparks.utah.gov

Boating Safety:

stateparks.utah.gov/boating

Camping Reservations:

utahstateparks.reserveamerica.com

Off-Highway Vehicles:

stateparks.utah.gov/ohv

Facebook:

facebook.com/utahstateparks

facebook.com/UtahStateParksBoatingProgram

facebook.com/UtahStateParksOffHighwayVehicleProgram

Twitter:

[@UtahStateParks](https://twitter.com/UtahStateParks)

Instagram:

[@UtahStateParksand Rec](https://www.instagram.com/UtahStateParksandRec)

Director's Commitment

As the newly appointed director for the Division of Parks and Recreation, I am both honored and humbled by this new assignment. As we move forward we will continue to build on the solid foundation established by our former director, Fred Hayes. In doing so I am fully committed to providing superior customer service, following sound business practices, and maintaining our park facilities for this and future generations.

Utah State Parks continues to record a growing number of visitors each year. In fact, our professional and dedicated staff hosted several million visitors during the past year. With our staff leading the way, visitors were able to enjoy unique adventures at Utah's beautiful state parks.

Our parks and programs offer many outdoor recreation experiences including boating, off-highway vehicle journeys, hiking, golfing, camping, and reliving our past at historical parks and museums. We continually add new and exciting recreational activities and amenities, such as aqua parks, zip lines, watercraft rentals, ATV rentals, lodging, and a completely new park, Echo State Park.

Our state parks are located in world-renowned scenic locations, which offer clean facilities and relaxing surroundings. Visit your favorite state park or try a park you haven't experienced. Enjoy the fun and beauty that is found only in Utah State Parks. We welcome and invite you, your family, and friends to each of our 44 state parks and programs. We look forward to seeing you soon!



Jeff Rasmussen
Director

Division Accomplishments

- ♦ Echo State Park was added as Utah's newest state park. Utah State Parks and the Bureau of Reclamation staff have finalized development plans for this new park. The park construction is currently underway.
- ♦ Finished dredging the Utah Lake State Park marina and the Great Salt Lake State Park marina, which enables boater access to Utah Lake and the Great Salt Lake even during low water levels.
- ♦ Opened and dedicated a new full-service campground at Dead Horse Point State Park adding over forty campsites and six overnight yurts to the park.
- ♦ Park visitation and revenue continue to grow at record rates with visitors enjoying all the new facilities and opportunities offered at our state parks.
- ♦ Partnered with Utah Department of Veterans and Military Affairs to showcase and promote opportunities at our State Parks for disabled veterans and their families.
- ♦ Hosted the 3rd annual Military Appreciation Day at all of our Utah State Parks on August 11th offering free day use entrance and special activities for veterans and active duty military personnel and their families.
- ♦ Held several large events such as Fire on the Water at Jordanelle State Park, the Ironman race at Sand Hollow State Park, Paddle Fest at Red Fleet State Park, and the Tour of Utah bike race at Antelope Island State Park. These events brought more visitors to our state parks and benefited local communities.
- ♦ Began several large development and renovation projects in 2018, including a complete renovation of the campground and day use area at Millsite State Park. A new campground is also currently under construction at the park.
- ♦ Completed and implemented an agency Strategic Plan that will help guide and direct our agency and employees for many years to come.
- ♦ While protecting Utah's State Parks, waterways, and Off-highway Vehicle recreational areas, law enforcement Park Rangers responded to and handled over 8,300 violations last year as documented in over 13,000 reports.
- ♦ Division staff performed 115 search and rescue missions for individuals who were lost, missing, and oftentimes in a life or death situation where their vessel was sinking and individuals were drowning. We also responded to and performed 117 medical incidents with many lives saved.
- ♦ Park Rangers performed hundreds of vessel assists and tows on Utah's waterways and inspected almost 3,500 vessels for safety equipment.

Forecast

In 1957, an act of the Utah Legislature created the Utah Division of Parks and Recreation to develop and manage a state park system for the enjoyment of the citizens of this state, the enjoyment of visitors to the state, and the protection of scenic and historic sites important to the culture of Utah. Originally, this new park system included five parks.

In the 61 years hence, the system has grown to 44 state parks and historic sites. As we look to the future, we see a real need to upgrade our facilities and offerings to accommodate the ever increasing crowds. Too many of our parks are at capacity every weekend and people have to be turned away. Overcrowding at many of our parks has also diminished the visitor experience.

We feel a need to expand our existing parks to make it possible for more people to have a quality recreational experience therein. We will be undertaking an initiative to improve existing facilities to accommodate the larger crowds. We will develop new and larger facilities where appropriate and we will be looking for areas for strategic expansion of our parks. At the same time, we will continually look to add new recreational opportunities and programs to keep pace with public demand as we strive to be on the forefront of innovation in outdoor recreation.



Goblin Valley State Park



Frontier Homestead State Park

Key Services

Recreational Trails Program

The federally-funded Recreational Trails Program (RTP) has helped with non-motorized and motorized trail development and maintenance, trail educational programs and trail related environmental protection projects. This program's funds provide coordination, technical assistance, and maintenance of statewide trail projects on a 50/50 sponsor match.

State Boating Program

Administers the State Boating Act to regulate and promote safety, education, facilities, search and rescue and boating enforcement on Utah's waterways.

44 Utah State Parks

Manages Utah's state park system which includes operations, planning, administration, and protection of 44 heritage, scenic and recreation parks.

Planning

Guides short and long-term site management to protect and interpret each park's natural and cultural resource base, ensure safe and enjoyable visitor experiences, provide for new visitor opportunities, and develop and enhance facilities to meet visitor needs.

Off-Highway Vehicles

Administers summer and winter off-highway vehicle programs, including education, trail maintenance, grant programs, user compliance, accident investigation, and search and rescue.

Grant Program

Administers Land and Water Conservation Fund and both non-motorized and motorized trails grant programs, as well as the Boating Access and Clean Water Act grants.



Explore Utah. Heritage campaign.

Division of Parks and Recreation Board



L to R: Doug Thompson, Kevin Christensen, Claudia Jarrett, Ryan Starks, Bob Murri, Corey Cram, Lesha Coltharp, and Russ Steadman

Bob Murri, Chair

Davis, Morgan, and Weber counties

Ryan Starks, Vice Chair

Utah, Juab, Wasatch, and Millard counties

Doug Thompson

Box Elder, Cache, and Rich counties

Corey Cram

Beaver, Iron, and Washington counties

Russ Steadman

Salt Lake, Tooele, and Summit counties

Lesha Coltharp

Uintah, Daggett, and Duchesne counties

Claudia Jarrett

State-at-Large

Kevin Christensen

Kane, Garfield, Piute, Sevier, Sanpete, and Wayne counties

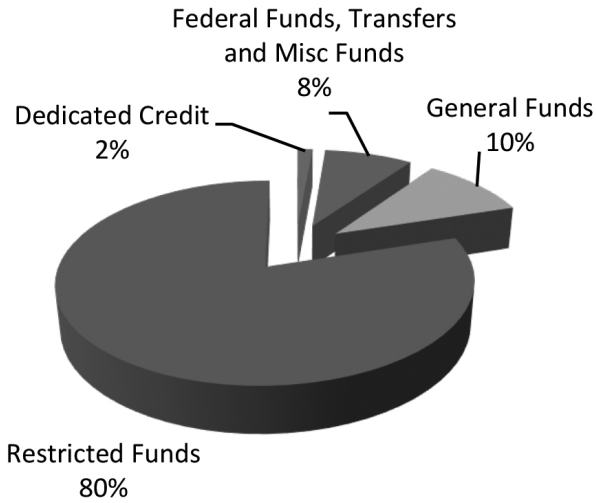
Vacant

Emery, Carbon, Grand, and San Juan counties

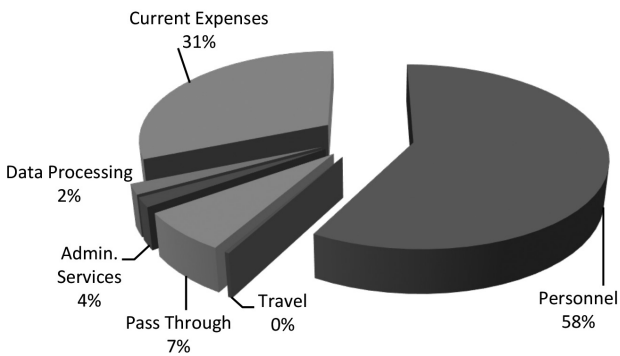
Financials

**Fiscal Year Ending
June 30, 2018**
(Unaudited)

**Revenue
\$45,071,962**



**Expenditures
\$32,932,700**



Utah Division of Water Resources (DWRe)

Mission Statement

"The Division of Water Resources plans, conserves, develops and protects Utah's water resources."



March 2018 at the Slow the Flow and Snowbird Partnership Event.

Utah Division of Water Resources



1594 W. North Temple, Suite 310
PO Box 146201
Salt Lake City, UT 84114-6201
801-538-7230
801-538-7279 (fax)
water.utah.gov

Executive Team



L to R: Joel Williams, Eric Millis, Joshua Palmer, Todd Adams, Barbara Allen, Jim Egbert

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Barbara Allen — Administrative Secretary

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Joshua Palmer — WE3 Section Manager

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Jim Egbert — Budget Officer

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Online Resources

Water Conservation:

conservewater.utah.gov

Twitter:

[@UTAHSavesH2O](https://twitter.com/UTAHSavesH2O)

Facebook:

facebook.com/conserveutahwater

Director's Commitment

In 1967, the year the Utah Legislature created the Department of Natural Resources, Utah had a statewide population of one million people. Today, we've eclipsed three million and are expected to double our population in the next 40 to 45 years. As in years past, Utah's water future is one of the largest challenges today facing the state. It's vital that we find the appropriate balance to ensure Utah families have reliable water; that agriculture and businesses can be successful and that the environment can flourish.

We are excited about the progress that has been made in water conservation. As we partner in Slow The Flow, we are engaging in public education and outreach to provide the citizens of Utah easy ways that they can save water for indoor and outdoor use. Events around the state are held to give people hands on training to learn the most water-wise practices. The division posts a Weekly Lawn Watering Guide every Friday during the irrigation season to let people know how many times per week to water. We enjoy the antics and satire that is produced to engage and educate the public on important outdoor watering behaviors.

We have made history this year thanks for the Utah Legislature and Governor's Office. The division was appropriated on going funds to go towards statewide water-wise rebates. The rebate program works through a partnership with the largest water conservancy districts around the state to offer an array of rebates. At this time, statewide rebates only include smart-water timers. These can be redeemed at UtahWaterSavers.Com. We continue to strive to make water conservation an effort in which every Utahn can participate.

Utah's population is flourishing. The children of people who live here now, and grandchildren of those of us already living here, will likely want to call Utah home. That being said, new people don't bring water with them. Our division is dedicated to helping ensure existing resources are used more efficiently, that appropriate transfers are made and that needed projects are completed.

All Utahns can be part of the solution. We encourage parents to sit down with their children to talk about responsible water use and vice versa. We encourage homeowners, businesses and farmers to implement practices to become more water efficient. We encourage water suppliers to pursue universal secondary water metering, maintain their systems and to keep accurate water use and supply data. These efforts help all of us, and we should all be part of the solution.



Eric Millis
Director

Division Accomplishments

- ♦ We have launched Utah's Open Water Data Portal. It is an interactive tool that allows Utahns to access water use data in a variety of ways, including via an interactive map, charts and data download. This adds accessibility and transparency.
- ♦ In May 2018, Utah Water Savers was introduced and is the first ever statewide rebate for smart water timers. This was possible thanks to the the Governor's Office who recommended and the Utah Legislature that appropriated ongoing funds for water conservation and efficiency efforts.
- ♦ We have published the 2015 Municipal and Industrial water use data that underwent a Legislative Audit, Third-party Audit and Third-Party Review. This process cultivated collaboration and building relationships with the division's sister agencies, Water Rights and Water Quality in ensuring water data is being reported correctly and timely.
- ♦ The division is actively working to increase public transparency. We are continuing to live stream the Board of Water Resources meetings, these are available on the DNR YouTube channel.
- ♦ The division has established a State Water Plan Committee, comprised with a variety of stakeholders. This will help shape future reports for the State Water Plan.
- ♦ We use social media platforms to help promote water efficiency efforts that include: advertising our H2Oath: Utah's Water Wise Pledge, Weekly Lawn Watering Guide, Hall of Fame or Shame and the new Slow the Flow Facebook page where we share ways to save water and statewide success stories.
- ♦ The division submitted requested documentation to the Federal Regulatory Commission. We are still awaiting their response in regards of preparing the draft EIS for the Lake Powell Pipeline.
- ♦ The Board of Water resources loaned \$18 million for 13 projects that improve efficiency for agricultural irrigation systems, municipal water systems or help sponsors with their share of dam safety upgrades. The Board also granted an additional \$2.1 M for four dam safety projects.
- ♦ The Board of Water Resources has allocated \$3 million for water conservation efforts and secondary water metering.
- ♦ Utah continues to work hard with the other Colorado River basin states to formulate Drought Contingency Plans.
- ♦ Utah and the other six Colorado River basin states and the country of Mexico finalized Minute 323 in September. This is an important agreement regarding sharing the Colorado River between the United States and Mexico and agreed upon binational drought shortages.
- ♦ Utah is a partner in Slow The Flow and are proud to have established partnerships with the Utah Jazz, RSL, Snowbird Ski Resort, Ski Utah and Salt Lake Chamber of Commerce this year.

Forecast

- ♦ The number one long-term challenge facing the division, and Utah water in general, is the growth Utah is expected to experience. Our current population is projected to double, resulting in a population of nearly six million people by 2065.
- ♦ We are currently in a 18-year drought, with only a few outlier years in between. The combination of an increasing population with less snowpack and precipitation is a significant challenge.
- ♦ Efficiencies alone will not be enough to conserve significantly. Changes in policies, landscapes and technology will be vital to progress.
- ♦ Secondary water metering and water conservation are important to current and future water conservation efforts. Resources are needed to cover the cost of secondary water meter installations.
- ♦ There will be an increase in multi-state interactions involving the Bear and Colorado Rivers.



Rock excavation and cleaning for the Millsite Dam spillway.



Construction site at Millsite Dam.

Key Services

Water Education and Conservation

DWRe is working with local water agencies, individuals and professional groups to develop and implement water conservation programs to reduce per capita water use in Utah. We have developed and distributed water education instructional materials to teachers and students in Utah's public schools. The division partners in the campaigns with Slow The Flow, posts a Weekly Lawn Watering Guide via social media and runs the H2Oath competitions.

Water Development and Conservation Funds

The Board of Water Resources administers three state water development and conservation funds.

Technical Assistance

The Division (DWRe) provides technical water development and planning assistance to Utah water users.

Water Planning

DWRe maintains the State Water Plan, which describes Utah's current and long-term water related needs, inventories municipal and industrial water use and water-related land use and performs water use studies. The 2015 municipal and industrial water use report was published this year. Statewide, the average water used in 2015 was 242 gallons per person per day. This includes all water use, municipal, institutional, and industrial water use, as well as residential indoor and outdoor water use. Water use is calculated by combining all water used in the four listed categories and dividing it by the state population.

Computer Applications

DWRe develops geographic information system applications, water demand/supply, and hydrologic models.

Interstate Streams

The Director is Utah's interstate streams commissioner, helping defend and protect Utah's right to develop and use its entitlements in the Colorado, Bear, and Columbia rivers.

Cloud Seeding

DWRe promotes cloud seeding to augment the natural precipitation and enhance snow pack.



L to R back row: Charles Holmgren, H. Blaine Ipson, Randy Crozier, Kyle Stephens, Eric Millis; L to R front row: Juliette Tennert, Norman L. Johnson, Jim Lemmon, Steve Farrell

Board of Water Resources

Charles Holmgren, Chair

Bear River District

Box Elder, Cache and Rich Counties

Norman L. Johnson, Vice Chair

Upper Colorado River District

Carbon, Emery, Grand and San Jose Counties

Steve Farrell

Provo River District

Juab, Utah and Wasatch Counties

Randy Crozier

Green River District

Daggett, Duchesne and Uintah Counties

Jim Lemmon

Lower Colorado River District

Beaver, Garfield, Iron, Washington and Kane Counties

Juliette Tennert

Salt Lake and Tooele Counties

H. Blaine Ipson

Sevier River District

Millard, Sanpete, Sevier, Piute and Wayne Counties

Kyle Stephens

Weber River District

Weber, Davis, Morgan and Summit Counties

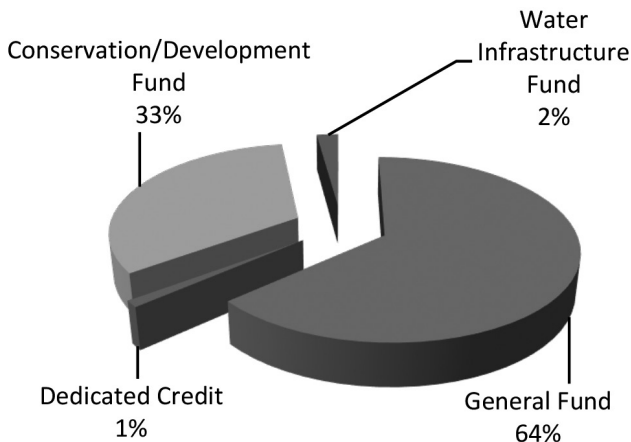
Eric Millis

Division Director

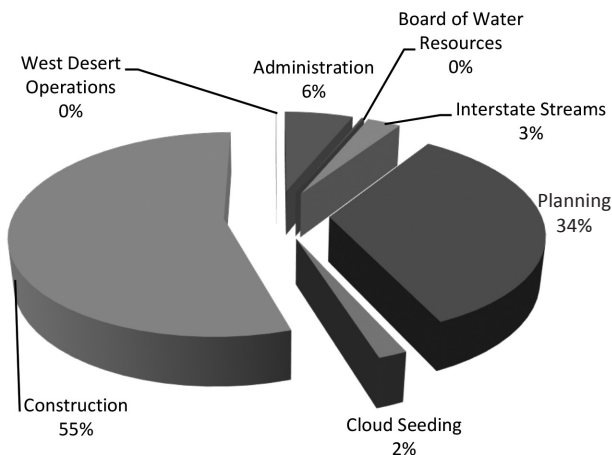
Financials

**Fiscal Year Ending
June 30, 2018**
(Unaudited)

**Revenue
\$12,725,900**



**Expenditures
\$12,725,900**



Utah Division of Water Rights (DWRI)

Mission Statement

"The Division of Water Rights promotes order and certainty in administering the beneficial use of Utah's water."



Price River. Photo by Marc Stilson

Utah Division of Water Rights



1594 W. North Temple, Suite 220
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Salt Lake City, UT 84114-6300
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waterrights.utah.gov

Executive Team



L to R back row: Teresa Wilhelmsen, Dave Marble, Blake Bingham, Jared Manning, Boyd Clayton, Marianne Burbidge, James Greer; L to R front row: Kent Jones, Tom Upton

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Tom Upton — Financial Manager
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Blake Bingham — Assistant State Engineer/Adjudication
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Marianne Burbidge — Admin. Secretary/Legislative Liaison
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Regional Offices

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Utah Lake/Jordan River Regional Office

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Eastern Regional Office

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318 North Vernal Avenue
Vernal, UT 84078
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Online Resources

Website

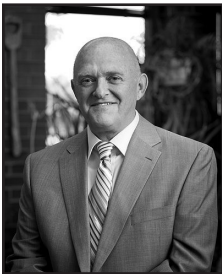
waterrights.utah.gov

Facebook

facebook.com/utahwaterrights

Director's Commitment

Climate changes, drought happens, high pressures hang around longer than expected, precipitation comes in unexpected forms and amounts, and increased efficiencies in water use depletes more water from a hydrologic system than has occurred in the past. All of these factors contribute to diminishing flows in our rivers, streams, and groundwater basins. Over the years, water users have been great planners in determining how to best meet the demands placed on our water resources to put the waters of the state to their most beneficial use while trying to preserve the many natural amenities we have in this state associated with water. Significant efforts have been made to plan for future water use. Dams were built, canals were lined, and water was piped from the sources. There are no doubt many challenges facing us as we move into the future concerning water and some critical decisions need to be made as to how to best meet those future needs. It may be that more dams need to be built and water use efficiencies increase in order to capture changing precipitation and flow patterns and new demands placed on delivery. Important laws and rules are in place to help regulate the use of water. We will need to continue to follow those underlying established principles and create new adaptations to meet the multiplicity of demands we are being faced with in growth, food production, livelihood, and environmental demands. In order to meet these increasing demands on our water resources, we are going to have to work together to plan for what we want to look and feel like as a state in the future. People need to get involved in advisory and planning groups to help us plan for that uncertain future. It's important for us all to realize that we are dealing with a limited resource in water and we have many differing and sometimes conflicting demands that need to be coordinated to bring us to a positive future result. We are all going to have to adapt to sharing more of this precious resource.



Kent Jones
State Engineer/Division Director

Division Accomplishments

- ◆ Legislature passed three water bills proposed by the Division and supported by Executive Task Force with significant influence on Diligence Claims, Adjudication and State Ratification of the Ute Indian Water Compact.
- ◆ Significant progress on general Adjudication in the Salt Lake Valley. Four proposed determinations published, three PDs decreed. Nineteen subdivisions actively being studied for issuance of a proposed determination. All of Salt Lake valley expected to be under active adjudication order by December 2018.
- ◆ State Engineer supported legislative efforts to look at issues around cities providing surplus water outside their boundary. Resulted in interim study committees, which will explore solutions to uncertainty created.
- ◆ Follow-up legislative audit found division's water use reporting review visits are significantly improving data. All public water suppliers have been visited.
- ◆ Canal inventory of covered or piped canals sections completed, data on canal inventory statewide available over the internet.
- ◆ Application average processing time statistic hit an all-time minimum since tracking began in 1995, at 99 days.
- ◆ Implemented ten online distribution models.



City Creek. Photo by Gary Brimley

Services Delivered by the Division of Water Rights.
Action on applications in FY2018 was as follows:

<u>Filed</u>	<u>Action</u>	<u>Type</u>
344	374	Applications to Appropriate
1075	1266	Change Applications
99	88	Exchange Applications
220	277	Nonuse Applications
949	1046	Extension Requests
656	760	Certificates of Beneficial Use
259	245	Stream Alterations
2917	2935	Reports of Conveyance
281	281	Dam Safety Inspections
40	21	Enforcement Referrals

Key Services

Water Right Applications

Process water right applications and maintain permanent records for all water rights in state. Assist the public to access water right information and complete application forms required by the agency.

Distribution and Measurement of Water

Oversee water commissioners and provide support where the agency is directly involved in the daily distribution of water among water right holders.

Adjudication

Present to the district court a proposed determination of water rights within hydrologic areas of the state where such investigations have been ordered by the court and obtain an adjudication order decreeing those water rights.

Dam Safety

Physically inspect and monitor operation of public and private dams, approve new dam construction, consult and approve dam upgrades and intervene in emergencies. Inspections and monitoring efforts are based on each dam's hazard rating for potential loss of life and property.

Stream Channel Alterations

Process permits to alter the banks or beds of natural streams under terms of the Utah Code and a general permit from the US Army Corps of Engineers.

Geothermal

Process permits to use geothermal resources in the state. Inspect facilities and monitor pressure tests.



Low Flow, Pilot Range. Photo by Jim Reese

Well Drilling Regulations and Licensing

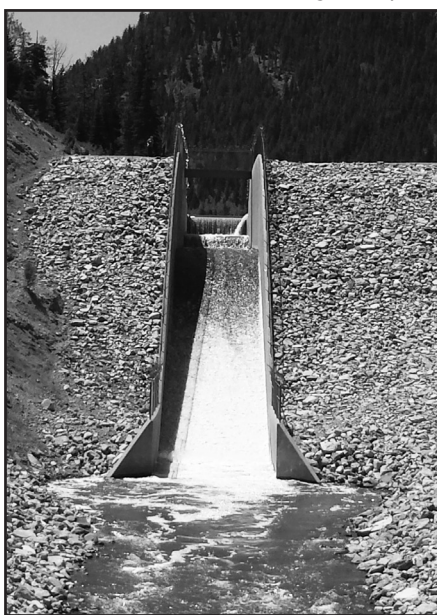
Oversee licensing and regulation of water well drillers in the state.

Studies and Technical Services

Collect water resources data for surface, groundwater and use of water throughout the state. Perform studies to determine water availability and management alternatives. Support the integration of data automation technology in operations of the agency.

Enforcement

Administer the division's water rights, dam safety and stream alteration enforcement program as authorized by statute and administrative rule. Investigate violations of Utah water right law and initiate actions which encourage compliance.



Smith Morehouse Spillway. Photo by David Marble

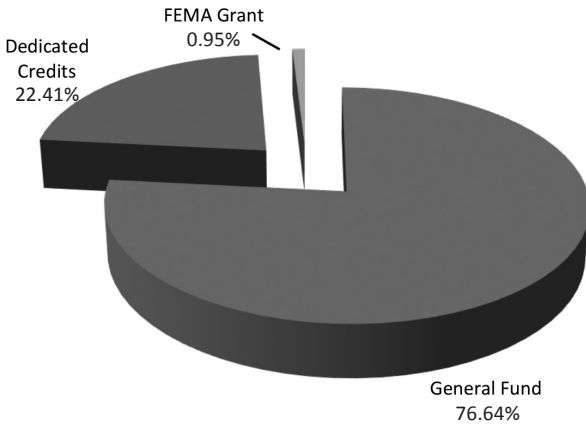


Recreation on Huntington North Reservoir. Photo by Marc Stilson

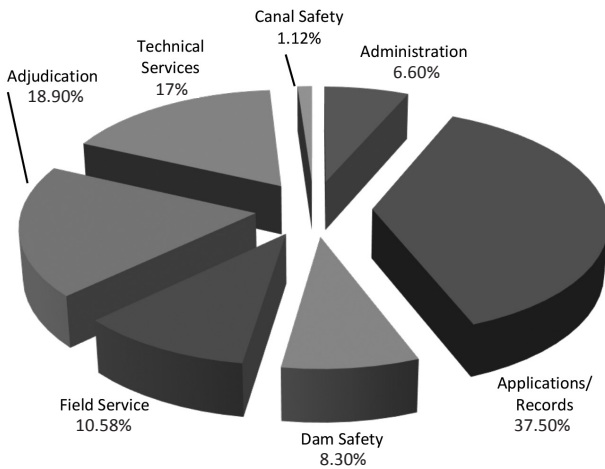
Financials

**Fiscal Year Ending
June 30, 2018
(Unaudited)**

**Revenue
\$12,077,000**



**Expenditures
\$11,577,000**



Utah Division of Wildlife Resources (DWR)

Mission Statement

"The Division of Wildlife Resources serves the people of Utah as trustee and guardian of the state's wildlife."



The tiger muskie is a large, aggressive fish that's a cross between two other species: northern pike and muskellunge. People love to fish for tiger muskies because they put up an incredible fight and can be more than three feet long. The Division grows tiger muskies at the Lee Kay hatchery and has stocked them in waterbodies across the state. Photo: Morgan Jacobson

Utah Division of Wildlife Resources



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wildlife.utah.gov

Executive Team



L to R: Thu Vo-Wood, Rory Reynolds, Mike Fowlks, Robin Cahoon, Mike Canning (not pictured, Ben Nadolski or Ashley Green)

Mike Fowlks — Director

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Robin Cahoon — Conservation Outreach Section Chief

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Thu Vo-Wood — Administrative Assistant

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Northern Region

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Ogden, UT 84405
801-476-2740

Southeastern Region

Chris Wood, Regional Supervisor
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Price, UT 84501
435-613-3700

Southern Region

Kevin Bunnell, Regional Supervisor
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Cedar City, UT 84721
435-865-6100

Washington County Field Office

451 N SR-318
Hurricane, UT 84737
435-879-8694



The Division's conservation officers do much more than check licenses and issue citations. They help at youth fishing and archery events, assist in removing dangerous wildlife from urban areas and provide an active public safety presence in their local communities. Photo: Morgan Jacobson

Online Resources

News and information

wildlife.utah.gov/wildlife-news.html

Calendar of events

wildlife.utah.gov/calendar

Fishing reports

wildlife.utah.gov/hotspots

Hunting maps

wildlife.utah.gov/huntplanner

Utah hunting and fishing mobile app

wildlife.utah.gov/mobileapp

Turn in a Poacher

wildlife.utah.gov/report-a-poacher.html

STD of the Sea (mussel decontamination)

stdofthesea.utah.gov

Utah's Wildlife Action Plan

wildlife.utah.gov/learn-more/wap2015.html

Facebook

facebook.com/UtahDWR

Twitter

twitter.com/UtahDWR

Instagram

instagram.com/UtahDWR/

YouTube

youtube.com/user/UDWR

Pinterest

pinterest.com/utahdwr/

DWR blog

wildlife.utah.gov/blog/



In April 2018, Utah hosted the Western National Tournament for the National Archery in the Schools Program. Approximately, 900 talented young archers from 15 states — including Utah — showcased their skills and competed in individual and team categories. Photo: Mike Christensen

Director's Commitment

At the Utah Division of Wildlife Resources, we believe that wildlife is for everyone. We serve the people of Utah by managing and protecting the state's wildlife and by conserving wildlife habitat. We are committed to responsible stewardship — to proactively sustaining, growing, diversifying and managing the state's wildlife populations. Utah's current wealth of wildlife is a direct result of excellent, active, hands-on management.

Our big game herds are thriving, in large part because they have high-quality habitat. Working with our partners in Utah's Watershed Restoration Initiative, we have restored nearly 1.5 million acres since 2006.

Our proactive work with many Utah species — including the greater sage-grouse — has helped prevent listings under the Endangered Species Act.

Our hatcheries produce and stock millions of fish each year. And now, in addition to trout, we are growing many warmwater species, including tiger muskie, wiper and sterile walleye.

Our employees routinely remove moose, cougars and bears from urban areas, working hard to keep people, pets and livestock safe. Whenever possible, we return the animals to the wild.

We partner with local universities and conservation groups to conduct new research on wildlife survival and migration. Every study helps us improve management.

Our conservation officers patrol large, rugged territories, often putting their safety on the line as they enforce the law and protect the species we all care about.

And our extensive partnerships with the public help us achieve more than we ever could on our own. As a prime example, the new George S. and Dolores Doré Eccles Wildlife Education Center is now open in Farmington. In a single visit, you can explore the Great Salt Lake wetlands, see all kinds of wildlife, learn about conservation and make lasting memories with friends and family.

In the coming year, I invite you to get out and enjoy our beautiful state. Watch hawks soar overhead, listen for bugling elk and reel in a trout or two. You'll see it for yourself: our wildlife is incredible and it's an important part of our quality of life in Utah.



Mike Fowlks
Division Director

Division Accomplishments

Some of our key accomplishments over the past year include:

- ♦ Completing construction on the new George S. and Dolores Doré Eccles Wildlife Education Center in Farmington. The center will open in September of 2018 and will educate visitors about the Great Salt Lake wetlands, the species that live there and the benefits of active wildlife management.
- ♦ Partnering with the other agencies, organizations, and individuals in Utah's Watershed Restoration Initiative to restore wildlife habitat and areas damaged by numerous wildfires. Since 2006, the initiative has rehabilitated and restored nearly 1.5 million acres.
- ♦ Removing Deer Creek Reservoir from the list of waterbodies suspected of quagga mussel infestation. We conducted intensive monitoring and testing for three years and found no mussels in the reservoir.
- ♦ Working with the U.S. Fish and Wildlife Service on a new 10-year general conservation plan for Utah prairie dogs. That plan will aid in the conservation of threatened Utah prairie dogs while still allowing economic growth and development in the counties where the animals live.
- ♦ Implementing new changes that expanded the Utah Hunter Mentoring Program, with the approval of the Utah Legislature and Utah Wildlife Board. For details on the program changes, visit wildlife.utah.gov/mentoring.
- ♦ Using the Wildlife Migration Initiative to better understand the movements and migration routes of wildlife in Utah. We are improving our understanding of many migratory species and their habitats across geographic barriers and boundaries.



Utah prairie dogs are only found in southwestern Utah and are listed as a threatened species under the Endangered Species Act. Photo: Etienne Martin



A visit to the new George S. and Dolores Doré Eccles Wildlife Education Center at Farmington Bay will increase visitors' appreciation of the Great Salt Lake wetlands and expand their understanding of active wildlife management. Photo: Crystal Ross

Forecast

During the next fiscal year, we will continue proactively address the following issues:

- ◆ Taking an active, hands-on approach in managing and enhancing the state's fish and wildlife populations for the benefit of all Utahns.
- ◆ Rehabilitating landscapes burned by wildfires and continuing our proactive restoration of wildlife habitat and watersheds.
- ◆ Battling against invasive species — including quagga mussels and phragmites — that pose threats to Utah's wildlife and economic interests.
- ◆ Using the big game research and migration data we're collecting to work with other stakeholders in reducing or mitigating migration barriers.
- ◆ Focusing on targeted, effective conservation efforts that will help prevent listings under the Endangered Species Act.
- ◆ Building and strengthening partnerships with those who are willing to commit their time and resources to benefit wildlife or expand recreational opportunity.
- ◆ Exploring and implementing new technologies that improve our ability to communicate with our customers and garner their support for future wildlife management.



In January 2018, Division biologists worked with a helicopter crew and conservation groups to capture bighorn sheep on Antelope Island. After a health checkup and vaccinations, the sheep were released in the Stansbury Mountains to help reestablish its bighorn population. Photo: Tom Becker

Key Services

Certificates of Registration

Issues licenses and certificates of registration to falconers, private pond owners and people who want to own exotic pets.

Community Fisheries Program

Partners with local governments to provide urban and community fishing opportunities for Utah youth and families.

Dedicated Hunter Program

Provides additional hunting opportunities for Utah deer hunters who perform volunteer service benefiting wildlife.

Fisheries Experiment Station

Monitors Utah's wild fish populations and the Division's fish hatcheries. Provides hatcheries with disease assessment and treatments.

Great Basin Research Center and Seed Warehouse

Conducts rangeland-rehabilitation research. Also stores, mixes and distributes seed for habitat-restoration projects.

Hatcheries

Owns and operates Utah's state fish hatcheries.

Hunter Education

Trains individuals in the safe handling of firearms and responsible hunting ethics. The Lee Kay Center for Hunter Education (801-972-1326) and the Cache Valley Hunter Education Center (435-753-4600) provide Hunter Education courses and public shooting ranges.

Licenses

Sells hunting and fishing licenses.

Natural Heritage Program

Identifies and monitors sensitive plant and animal species, and maintains a database for making natural resource decisions.

Publications

Creates publications that provide news and information to constituents. Also, publishes guidebooks that summarize hunting, fishing and trapping regulations.

Website (wildlife.utah.gov)

Provides many online services and tools. Customers can buy hunting and fishing licenses, and use Web tools to obtain a wealth of information about Utah's wildlife.

Wildlife Recreation Program

Offers many wildlife-viewing events as well as hands-on clinics and seminars that provide instruction on hunting, fishing, shooting and more.



The Division works closely with its partners in Utah's Watershed Restoration Initiative to restore wildlife habitat. Since 2006, the initiative has rehabilitated and restored nearly 1.5 million acres. Projects are always underway, and you can view them in detail at wri.utah.gov. Photo: Morgan Jacobson

Utah Wildlife Board



Board members L to R: Byron Bateman, Kirk Woodward, Calvin Crandall, Donnie Hunter, Steve Dalton, Karl Hirst, Kevin Albrecht and Mike Fowlks

Kirk Woodward, Chair

Northeastern Utah

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Byron Bateman, Vice Chair

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Kevin Albrecht

Southeastern Utah

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Mike Fowlks, Executive Secretary

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Northeastern Region

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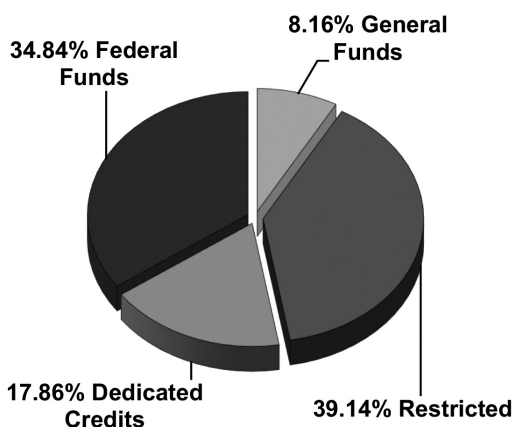


The chukar partridge is an increasingly popular game bird in Utah. In recent years, Division biologists have released thousands of chukars across the state. Photo: Morgan Jacobson

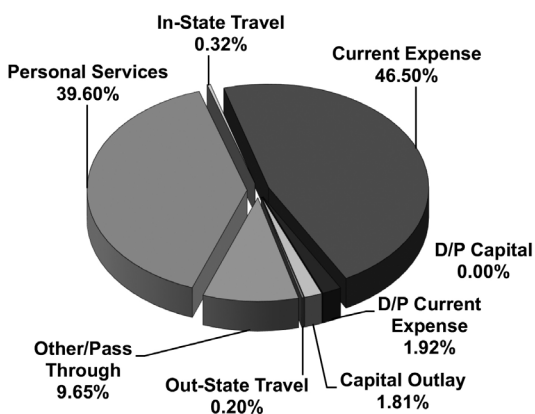
Financials

**Fiscal Year Ending
June 30, 2018**
(Unaudited)

Revenue
\$99,016,879



Expenditures
\$99,016,879



Habitat Council Spending by Program (Category)

Waterfowl	\$111,207	4.50%
Upland Game	\$242,065	9.78%
Big Game	\$735,023	29.71%
Non-Game Terrestrial	\$31,770	1.28%
Sportfish	\$1,293,575	52.29%
Non-Game Fish	\$60,322	2.44%
	\$2,473,962	100.00%

Utah Geological Survey (UGS)

Mission Statement:

“The Utah Geological Survey provides timely scientific information about Utah’s geologic environment, resources, and hazards.”



Drill rig at the Milford FORGE site. The boom truck at left is running a cable down the well to measure temperature during a 24-hour shut-in to allow partial recovery of the thermal regime. Photo: Mark Gwynn

Utah Geological Survey



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geology.utah.gov

Executive Team



L to R: Steve Bowman, Grant Willis, Michael Hylland, Pam Perri, Michael Vanden Berg, Jodi Patterson, Hugh Hurlow, Rick Allis

Rick Allis — State Geologist/Director
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Geologic Information and Outreach Program Manager
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Jodi Patterson — Financial Manager
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Pam Perri — Administrative Secretary
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Steve Bowman — Geologic Hazards Program Manager
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Hugh Hurlow — Groundwater Program Manager
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Michael Vanden Berg — Energy and Minerals
Program Manager
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Grant Willis — Geologic Mapping Program Manager
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Regional Office

Southern Utah Regional Office

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Cedar City, UT 84721
435-865-9036

Online Resources

Website

geology.utah.gov

Natural Resources Map & Bookstore

mapstore.utah.gov

Utah Geological Survey Library

geology.utah.gov/library

Blog

geology.utah.gov/blog

Facebook

facebook.com/UTGeologicalSurvey

Twitter

twitter.com/utahgeological

LinkedIn

linkedin.com/company/utah-geological-survey



UGS geologist Stefan Kirby takes a close look at core recovered from the geothermal well at the Milford FORGE site. Core samples will undergo an extensive suite of analytical testing to assess the mechanical and thermal properties of the granitic reservoir rock.

Director's Commitment

The Utah Geological Survey assists government, industry, and the general public by gathering, interpreting, and publishing geologic information. Our goal is to see that geologic information is used as part of wise stewardship of land. Knowledge of the location of Utah's geologic commodities including groundwater, and geologic hazards, are essential inputs to local and statewide plans incorporating likely future resource development, urban growth, and infrastructure expansion. A critical component of UGS work is maximizing accessibility to geologic information. In FY19 we are reorganizing our web capabilities to meet the growing need to remotely access data, publications, and maps. Website use continues to increase as more information is uploaded to our site, with now over 1 million web page visits per year. The UGS will continue to pursue opportunities to apply new technologies to meet the needs of a growing state.



Rick Allis
State Geologist/Director

Division Accomplishments

- ♦ UGS research, led by the Energy and Minerals Program and in partnership with the University of Utah, contributed to the selection of Utah as the location of the Frontier Observatory for Research in Geothermal Energy (FORGE) field laboratory. Continued U.S. Department of Energy funding of up to \$140 million over the next five years will place Utah at the center of research and development of enhanced geothermal systems, helping to diversify the nation's domestic energy portfolio and increase our energy security.
- ♦ The Groundwater Program recently completed three major studies of groundwater and surface-water resources in rapidly growing communities—two in Wasatch back valleys and one along the Wasatch Front. Our Wetlands Section is finalizing a detailed wetland map of the northeastern Great Salt Lake shore area and a report on wetland condition and function in the Jordan River watershed. Results of this work will help local, county, and state water managers to make scientifically informed decisions on important growth, natural resource, and environmental issues.
- ♦ The Geologic Mapping Program released five new detailed 7.5' quadrangle geologic maps of urban Wasatch Front areas. UGS geologic maps are used by geologists, government officials, industry representatives, and the public to

better understand Utah's geology, delineate economic value and potential of property, and assess geologic hazards.

- ♦ The Geologic Hazards Program provided monitoring, technical support, and objective advice to Riverdale City in response to the Spring Creek Road landslide, which prompted the evacuation of four homes. Our ongoing involvement allows Riverdale City, landowners, and others to make informed decisions on how to effectively deal with the landslide.
- ♦ The Geologic Information and Outreach Program developed a teacher workshop that was presented in conjunction with the American Association of Petroleum Geologists Annual Convention and Exhibition in Salt Lake City. This workshop complemented other education and outreach efforts including numerous presentations to school, professional, and industry groups; annual Earth Science Week activities; and continued expansion of interactive UGS website content.
- ♦ The State Paleontologist worked with legislators to make *Utahraptor* the Utah State Dinosaur and retain *Allosaurus* as the Utah State Fossil.



Aerial view of the Spring Creek Road landslide in Riverdale shows the proximity of the upper scarp to homes. The four homes visible in the photograph were evacuated for safety. Photo: Jon West, Davis County Sheriff's Office

Forecast

Critical issues and goals for the UGS are:

- ♦ Stabilize staffing at about the present level after the large reduction three years ago and gradually diminishing mineral lease funds due to reduced oil production on federal lands. Funding threats are the possibility of large-scale reductions in federal programs. To withstand short-term fluctuations in non-General Funds, the UGS needs to rebuild non-lapsing Mineral Lease carry-forward to more than \$1 million.
- ♦ Review mission priorities in relation to the recent reductions in staff expertise and attempt to fill critical gaps as retirements and funding levels provide opportunities.
- ♦ Develop and publish uniform comprehensive geologic-hazard map sets that will aid Utah local governments and others in managing growth while protecting their citizens.

- ♦ Improve understanding of Utah's geothermal resources and help develop innovative technologies and processes to capitalize on the state's abundant geothermal energy potential. The UGS will be a partner in the new FORGE geothermal project.
- ♦ Assist research into the ability of Utah's deep geologic reservoirs to safely sequester waste fluids from extractive industries.
- ♦ Clarify Utah's groundwater potential and assist the State Engineer to sustainably develop these resources.

Key Services

Utah Core Research Center (UCRC)

The UCRC serves as a repository and laboratory for Utah well cuttings and core, providing petroleum, coal, and geologic samples for industry and academic research as well as public education.

Geologic-Hazard Assistance

The Geologic Hazards Program assists governments in responding to geologic-hazard emergencies, reviews geologic-hazard reports for school districts, investigates geologic hazards, and prepares geologic-hazard maps for use by local governments, consultants, and the public.

Natural Resources Map and Bookstore

In addition to offering a selection of publications and maps on Utah geology and other natural resource topics, the bookstore is the only retail outlet that maintains an inventory of topographic maps for the entire state of Utah.

Water Resource/Environmental Evaluations

The Groundwater Program evaluates groundwater resources and protects drinking-water supplies by investigating the environmental impacts of waste disposal, storage, and treatment facilities for local, state, and federal agencies.

Public Inquiry

The Geologic Information and Outreach Program provides information on Utah geology and geologic issues to governments, industry, educators, and the general public.

Energy and Mineral Evaluations

Geologists specializing in Utah's various energy resources and minerals investigate and provide energy and mineral resource information on county, state, or federal lands to local, state, and federal agencies.

Paleontological Services

The Paleontology Section evaluates paleontological sites, excavates critical fossils in danger of destruction, and issues paleontological excavation permits.

Board of the Utah Geological Survey



L to R: Ken Fleck, Rick Chesnut, Elissa Richards, Dave Garbrecht, Pete Kilbourne, Marc Eckels, Sam Quigley (not pictured, David Ure)

Marc Eckels, Chair
Minerals (Hydrocarbons)

Rick Chesnut
Engineering Geology

Ken Fleck
Minerals (Coal)

Dave Garbrecht
Minerals (Metals)

Pete Kilbourne
Scientific Interests

Sam Quigley
Minerals (Industrial)

Elissa Richards
Public-at-large

David Ure
Ex-officio

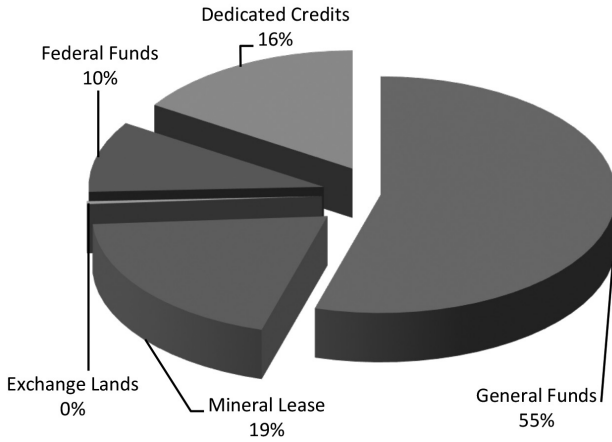


The Utah Core Research Center hosts educational workshops for universities, industry, and government agencies featuring its collection of cores from Utah's oil and gas fields. This publicly available core collection is also used for student and industry research as well as the UGS's own studies.

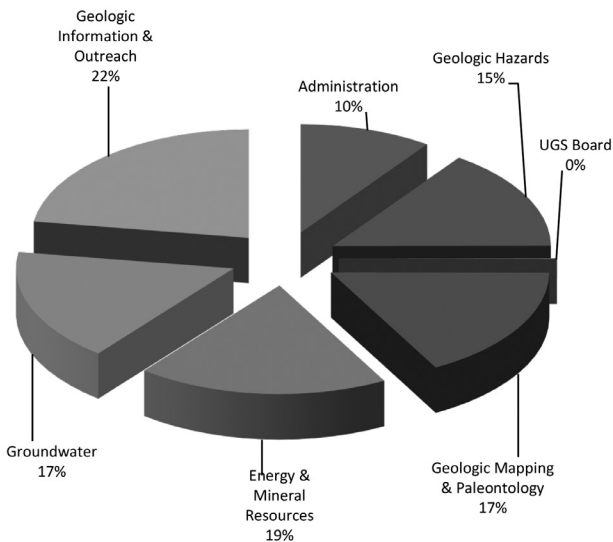
Financials

**Fiscal Year Ending
June 30, 2018**
(Unaudited)

**Revenue
\$7,598,422**



**Expenditures
\$7,598,422**





Utah Department of Natural Resources
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Salt Lake City, Utah 84114-5610

PRESORTED
STANDARD
US POSTAGE PAID
Salt Lake City, UT
Permit No. 4621